

## Shadow Study

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### **Purpose:**

*The intent of a Shadow Study is to understand how a proposed development will affect sunlight and shadows in the surrounding area. This is to ensure that neighbouring properties, public spaces and streets continue to receive adequate sunlight and determines how the proposed development will affect pedestrian comfort.*

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Where a Shadow Study is required, such study should include:

- i. Diagrams showing extent of shadows at different intervals over different months.
- ii. Diagrams showing surrounding topographic context.
- iii. A digital copy of the 3-D model used by the consultant to generate the shadow diagrams.
- iv. Architectural elevation indicating building height at rooftop, mechanical equipment and average grade around building foundation.
- v. Diagrams showing the vertical extent of shadows upon adjacent lands.

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### **Qualifications:**

*A Shadow Study should be prepared by qualified professionals such as urban planners, architects, or landscape architects who have expertise in site design, solar analysis, and the use of modelling tools, to the satisfaction of the City.*

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